

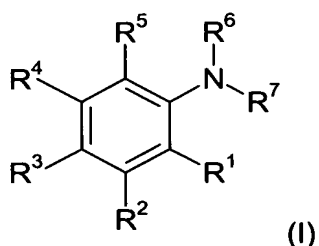
Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

In the Claims:

What is claimed is:

1. (Original) A compound of formula (I):



including salts, solvates, and physiologically functional derivatives thereof, wherein

R^1 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, alkoxy, haloalkoxy, $-OC(O)R^8$, or aryl;

R^2 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, alkoxy, haloalkoxy, $-OC(O)R^8$, or aryl;

R^3 is cyano, nitro, halogen, haloalkyl, heterocyclyl, hydroxy, alkoxy, haloalkoxy, $-OC(O)R^8$, $-C(O)_2R^8$, $-CONHR^8$, $-C(O)R^8$, $-S(O)_nR^8$, $-SO_2N(R^8)_2$, $-NHC(O)R^8$, or $-NHSO_2R^8$;

R^4 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, alkoxy, haloalkoxy, $-OC(O)R^8$, or aryl;

R^5 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, alkoxy, haloalkoxy, $-OC(O)R^8$, or aryl;

where at least one of R^1 , R^2 , R^4 , and R^5 is not H;

each of R^6 and R^7 independently are selected from H or $-(R^a)_x-R^9$;

R^a is a C_1 - C_8 alkylene chain, where x is 0 or 1;

each R^8 independently is H, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^9 is alkyl, haloalkyl, hydroxyalkyl, alkenyl, alkynyl, alkoxy, alkylthio, haloalkoxy, cycloalkyl, formyl, azido, or $-NR^{10}R^{11}$;

R¹⁰ and R¹¹ each independently are H, alkyl, -C(O)H, -C(O)R¹², -C(O)OR¹², or -SO₂R¹²; and R¹² is alkyl.

2. (Original) The compound of claim 1 wherein R¹, R⁵, or both are H.
3. (Original) The compound of claim 1 wherein R², R⁴, or both are H.
4. (Original) The compound of claim 1 wherein alkyl is C₁-C₆ alkyl.
5. (Original) The compound of claim 4 wherein alkyl is C₁-C₃ alkyl
6. (Original) The compound of claim 1 wherein alkoxy is C₁-C₆ alkoxy.
7. (Original) The compound of claim 6 wherein alkoxy is C₁-C₂ alkoxy.
8. (Original) The compound of claim 1 wherein haloalkyl is C₁-C₆ haloalkyl.
9. (Original) The compound of claim 8 wherein haloalkyl is trifluoromethyl or trifluoroethyl.
10. (Original) The compound of claim 1 wherein alkenyl is C₂-C₆ alkenyl.
11. (Original) The compound of claim 10 wherein alkenyl is isopropenyl, isobutenyl, or allyl.
12. (Original) The compound of claim 1 wherein alkynyl is C₂-C₆ alkynyl.
13. (Original) The compound of claim 12 wherein alkynyl is propynyl.
14. (Original) The compound of claim 1 wherein cycloalkyl is C₃-C₆ cycloalkyl.
15. (Original) The compound of claim 14 wherein cycloalkyl is cyclopropyl, cyclopentyl, or cyclohexyl.
16. (Original) The compound of claim 1 wherein R¹ or R⁵ is nitro, alkyl, haloalkyl, or halogen.
17. (Original) The compound of claim 1 wherein R² or R⁴ is nitro, cyano, alkyl, haloalkyl, halogen, or hydroxy.
18. (Original) The compound of claim 1 wherein R³ is cyano, nitro, or halogen.
19. (Original) The compound of claim 18 wherein one or more of R¹, R², R⁴, or R⁵ is haloalkyl.
20. (Original) The compound of claim 19 wherein R² or R⁴ is haloalkyl.
21. (Original) The compound of claim 18 wherein one or more of R¹, R², R⁴, or R⁵ is halogen.
22. (Original) The compound of claim 21 wherein R² or R⁴ is halogen.

23. (Original) The compound of claim 22 wherein halogen is chloro.
24. (Original) The compound of claim 18 wherein when R³ is cyano, one or more of R¹, R², R⁴, or R⁵ is nitro.
25. (Original) The compound of claim 18 wherein when R³ is nitro, one or more of R¹, R², R⁴, or R⁵ is cyano.
26. (Original) The compound of claim 18 wherein R³ is cyano and one of R² or R⁴ is cyano.
27. (Original) The compound of claim 1 wherein R^a is a substituted alkylene, substituted with one or more of alkyl, alkenyl, or hydroxyl.
28. (Original) The compound of claim 27 wherein R^a is methylene.
29. (Original) A compound selected from:
 - 4-[(Cyclopropylmethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
 - 4-[(cyclopropylmethyl)(propyl)amino]-2-nitrobenzonitrile
 - 4-(diallylamino)-2-(trifluoromethyl)benzonitrile
 - 5-[allyl(cyclopentyl)amino]-2-nitrobenzonitrile
 - 4-[butyl(propyl)amino]-2-nitrobenzonitrile
 - 4-[ethyl(2-methyl-2-propenyl)amino]-2-nitrobenzonitrile
 - 4-[butyl(ethyl)amino]-2-(trifluoromethyl)benzonitrile
 - 4-(dipropylamino)-2-(trifluoromethyl)benzonitrile
 - N-butyl-N-ethyl-3-methyl-4-nitroaniline
 - 5-(diallylamino)-2-nitrobenzonitrile
 - 5-[(cyclopropylmethyl)(propyl)amino]-2-nitrobenzonitrile
 - 4-(diallylamino)-2-nitrobenzonitrile
 - 3-methyl-4-nitro-N,N-dipropylaniline
 - 4-[sec-butyl(propyl)amino]-2-nitrobenzonitrile
 - 5-[butyl(ethyl)amino]-2-nitrobenzonitrile
 - 2-chloro-4-[(cyclopropylmethyl)(propyl)amino]benzonitrile
 - 5-[butyl(propyl)amino]-2-nitrobenzonitrile
 - 5-[(2-methoxyethyl)(methyl)amino]-2-nitrobenzonitrile
 - 2-chloro-4-(diallylamino)benzonitrile
 - 4-[(2-methoxyethyl)(propyl)amino]-2-nitrobenzonitrile
 - 4-[allyl(cyclopentyl)amino]-2-nitrobenzonitrile
 - 4-[ethyl(2-methyl-2-propenyl)amino]-2-(trifluoromethyl)benzonitrile

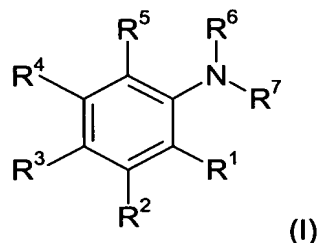
2-chloro-4-[[2-(dimethylamino)ethyl](methyl)amino]benzonitrile
N-(2-methoxyethyl)-N,2-dimethyl-4-nitroaniline
N-allyl-N-cyclopentyl-4-nitro-3-(trifluoromethyl)aniline
5-(dipropylamino)-2-nitrophenol
2-chloro-4-(dipropylamino)benzonitrile
5-[ethyl(2-methyl-2-propenyl)amino]-2-nitrobenzonitrile
N,N-diallyl-4-nitro-3-(trifluoromethyl)aniline
N,N-diallyl-2-methyl-4-nitroaniline
5-[(cyclopropylmethyl)(propyl)amino]-2-nitrophenol
N-(2-methoxyethyl)-3-methyl-4-nitro-N-propylaniline
4-[butyl(propyl)amino]-2-chlorobenzonitrile
N-butyl-2-chloro-N-methyl-4-nitroaniline
4-(dipropylamino)-2-nitrobenzonitrile
2-chloro-4-[(2-methoxyethyl)(propyl)amino]benzonitrile
N,N-diallyl-3-methyl-4-nitroaniline
N-(sec-butyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-(dipentylamino)-2-nitrobenzonitrile
N-(cyclopropylmethyl)-3-methyl-4-nitro-N-propylaniline
5-(dipropylamino)-2-nitrobenzonitrile
N,N-dibutyl-4-nitro-3-(trifluoromethyl)aniline
N1-(2-chloro-4-nitrophenyl)-N1,N2,N2-trimethyl-1,2-ethanediamine
5-[sec-butyl(propyl)amino]-2-nitrobenzonitrile
N-ethyl-N-(2-methyl-2-propenyl)-4-nitro-3-(trifluoromethyl)aniline
N-(2-methoxyethyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-[butyl(ethyl)amino]-2-chlorobenzonitrile
5-(dibutylamino)-2-nitrobenzonitrile
4-[butyl(ethyl)amino]-2-nitrobenzonitrile
4-[(2-methoxyethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
5-[(2-methoxyethyl)(propyl)amino]-2-nitrobenzonitrile
4-[allyl(cyclopentyl)amino]-2-(trifluoromethyl)benzonitrile
4-[butyl(propyl)amino]-2-(trifluoromethyl)benzonitrile
N,N-dibutyl-3-methyl-4-nitroaniline
4-[methyl(octyl)amino]-2-nitrobenzonitrile

4-(dibutylamino)-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-N-propyl-2-(trifluoromethyl)aniline
N-allyl-N-cyclohexyl-4-nitro-3-(trifluoromethyl)aniline
4-[(2-methoxyethyl)(methyl)amino]-3-(trifluoromethyl)benzonitrile
4-(diallylamino)-3-nitrobenzonitrile
N-1-(2-chloro-4-nitrophenyl)-N1,N3,N3-trimethyl-1,3-propanediamine
N,N-bis(2-methoxyethyl)-4-nitro-3-(trifluoromethyl)aniline
4-[sec-butyl(propyl)amino]-2-(trifluoromethyl)benzonitrile
2-chloro-4-[ethyl(2-methyl-2-propenyl)amino]benzonitrile
N-cyclohexyl-N-ethyl-4-nitro-3-(trifluoromethyl)aniline
2-chloro-4-(dibutylamino)benzonitrile
4-[cyclohexyl(ethyl)amino]-2-nitrobenzonitrile
4-[bis(2-ethoxyethyl)amino]-3-chlorobenzonitrile
2-chloro-N-(2-methoxyethyl)-N-methyl-4-nitroaniline
N-butyl-N-ethyl-4-nitro-3-(trifluoromethyl)aniline
N-(sec-butyl)-3-methyl-4-nitro-N-propylaniline
N-(2-methoxyethyl)-N-methyl-4-nitro-2-(trifluoromethyl)aniline
4-{bis[3-(dimethylamino)propyl]amino}-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-[(methyl)(octyl)amino]-2-(trifluoromethyl)benzonitrile
4-(propylamino)-2-(trifluoromethyl)benzonitrile
4-nitro-N-propyl-3-(trifluoromethyl)aniline
3-[[4-nitro-3-(trifluoromethyl)phenyl]amino]propan-1-ol
4-[(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-hydroxy-1-(hydroxymethyl)ethyl]amino]-2-(trifluoromethyl)benzonitrile
4-(dimethylamino)-2-(trifluoromethyl)benzonitrile
4-(diethylamino)-2-(trifluoromethyl)benzonitrile
4-[methyl(2-methylpropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)(2-hydroxyethyl)amino]-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-3-(trifluoromethyl)aniline
3-[(cyclopropylmethyl)[4-nitro-3-(trifluoromethyl)phenyl]amino]-1-propanol

2-[(cyclopropylmethyl)[4-nitro-3-(trifluoromethyl)phenyl]amino]ethanol
 4-[(cyclopropylmethyl)amino]-3-(trifluoromethyl)benzonitrile
 1-[4-[(cyclopropylmethyl)(propyl)amino]-2-(trifluoromethyl)phenyl]ethanone
 4-[(1-cyclopropylethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[allyl(1-cyclopropylethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(2,2-dimethylpropyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(2,2-dimethylpropyl)(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(2,2-dimethylpropyl)(2-propen-1-yl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(2,3-dihydroxypropyl)(2,2-dimethylpropyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(2,2-dimethylpropyl)(2-oxoethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(2,2-dimethylpropyl)(2-hydroxyethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(2,2-dimethylpropyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(1,1-dimethylethyl)amino]-2-(trifluoromethyl)benzonitrile
 N-(1,1-dimethylethyl)-4-nitro-3-(trifluoromethyl)aniline
 N-(cyclopropylmethyl)-N-(1,1-dimethylethyl)-4-nitro-3-(trifluoromethyl)aniline
 4-[(1,1-dimethylethyl)(2-propen-1-yl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(1,1-dimethylethyl)(2-oxoethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(1,1-dimethylethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(3-hydroxypropyl)[(1S)-1-methylpropyl]amino]-2-(trifluoromethyl)benzonitrile
 2-(trifluoromethyl)-4-[(3,3,3-trifluoropropyl)amino]benzonitrile
 4-[bis(2-fluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-nitro-N-(2,2,2-trifluoroethyl)-3-(trifluoromethyl)aniline
 4-[(3-hydroxypropyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(3-hydroxypropyl)(2,2,2-trifluoroethyl)amino]-3-(trifluoromethyl)benzonitrile
 4-bromo-N,N-bis(2,2,2-trifluoroethyl)-3-(trifluoromethyl)aniline
 4-[bis(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[(2,2-difluoroethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
 bis(2,2,2-trifluoroethyl)[2-(trifluoromethyl)-4-biphenyl]amine
 4-[(2-hydroxyethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[[2-(methyloxy)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
 4-[[2-(ethyloxy)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile

4-((2,2,2-trifluoroethyl){2-[(2,2,2-trifluoroethyl)oxy]ethyl}amino)-2-(trifluoromethyl)benzonitrile
4-[methyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[ethyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[propyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[butyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-methylprop-2-enyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[isobutyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(3-methylbut-2-enyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[isopentyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[prop-2-ynyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-fluoroethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-(methylthio)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-azidoethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
N-{2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethyl}acetamide
methyl 2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethylcarbamate
tert-butyl 2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethylcarbamate
N-{2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethyl}methanesulfonamide; and
4-(dipropylamino)phthalonitrile.

30. (Original) A compound of formula (I):



including salts, solvates, and physiologically functional derivatives thereof, wherein

R^1 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, alkoxy, haloalkoxy, $-OC(O)R^8$, or aryl;

R^2 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, alkoxy, haloalkoxy, $-OC(O)R^8$, or aryl;

R^3 is cyano, nitro, halogen, haloalkyl, heterocyclyl, hydroxy, alkoxy, haloalkoxy, $-OC(O)R^8$, $-C(O)_2R^8$, $-CONHR^8$, $-C(O)R^8$, $-S(O)_nR^8$, $-SO_2N(R^8)_2$, $-NHC(O)R^8$, or $-NHSO_2R^8$;

R^4 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, alkoxy, haloalkoxy, $-OC(O)R^8$, or aryl;

R^5 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, alkoxy, haloalkoxy, $-OC(O)R^8$, or aryl;

each of R^6 and R^7 independently are selected from H or $-(R^a)_x-R^9$;

R^a is a C_1 - C_8 alkylene chain, where x is 0 or 1;

each R^8 independently is H, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^9 is alkyl, haloalkyl, hydroxyalkyl, alkenyl, alkynyl, alkoxy, alkylthio, haloalkoxy, cycloalkyl, formyl, azido, or $-NR^{10}R^{11}$;

R^{10} and R^{11} each independently are H, alkyl, $-C(O)H$, $-C(O)R^{12}$, $-C(O)OR^{12}$, or $-SO_2R^{12}$; and R^{12} is alkyl.

31. (Original) The compound of claim 30 wherein each of R^1 , R^2 , R^4 , and R^5 are H.

32. (Original) The compound of claim 30 wherein R^3 is cyano or nitro.

33. (Original) The compound of claim 30 wherein the compound is:

N,N-diallyl-4-nitroaniline

N-(cyclopropylmethyl)-4-nitro-N-propylaniline

4-(dipropylamino)benzonitrile; or

4-nitro-N,N-dipropylaniline.

34. (Cancelled)

35. (Currently amended) A pharmaceutical composition comprising a compound according to claim[[s]] 1 to 33, and a pharmaceutically acceptable carrier.

Claims 36 to 41 (Cancelled)

42. (Currently amended) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, arteriosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to ~~any one of~~ claim[[s]] 1 to 33.

43. (New) A pharmaceutical composition comprising a compound according to claim 29, and a pharmaceutically acceptable carrier.

44. (New) A pharmaceutical composition comprising a compound according to claim 30, and a pharmaceutically acceptable carrier.

45. (New) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, arteriosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 29.

46. (New) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, arteriosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 30.